NOTES TO HELP WITH OPERATION OF THE AR2001/AR2002

FIRST

Switch on AR2001/2002 then press "MANUAL".

FREQUENCY SELECTION

Key in desired frequency i.e. "145.550" then press "ENTER".

MEMORY INPUT

Key in desired memory number. Note that two numbers are required as the receiver uses dual-function keys, so memory numbers 0 to 9 should be entered as 01, 02, 03 etc.

i.e. For memory five key "0" "5" then "ENTER". After use the contents of the memory will be kept for a period of a few days by a large internal storage capacitor.

MODE SELECTION

Key in desired mode using the dual-function keys as follows...

"7"	"8"	"9"
NFM	WFM	AM

then press "ENTER".

STEP SELECTION

Key in desired step using the dual-function keys as follows...

"4"	"5"	"6"
5K	12.5K	25K

then press "ENTER".

At this point the frequency may be altered (tuned) by using the "UP" "DOWN" buttons. On the AR2002 the rotary tuning control may be used.

MEMORY RECALL

Press "MANUAL". Key in the desired memory number (see notes on memory input). i.e. To recall memory five press "0" "5" then "MANUAL". Pressing "MANUAL" again advances the memory by one step, to memory six. This can be repeated many times.

MEMORY SCAN

Press "MANUAL". Press "SCAN". The memories will now be scanned. To stop scan press "MANUAL". While scanning the set will automatically stop when a signal is received. The squelch control must be advanced to cancel the background noise to enable scanning.

SPEED

The scan facility has two speeds. Press "SPEED" to change between them.

LOCKOUT

If you wish a memory NOT to be scanned (i.e. your local 2m repeater) the lock-out function may be used. i.e. If memory ten is to be locked out press "MANUAL" "1" "0" "LOCKOUT" "MANUAL" "SCAN". A locked out memory may be re-inserted using the same procedure.

PRIORITY

The contents of memory one may be scanned every two seconds regardless of what the set is doing (as long as it is switched on). Press "MANUAL" then "PRIORITY" and carry on using the set as normal. A "P" will appear as the contents of memory one are checked for activity. The priority status may be released using the same procedure.

24 HOUR CLOCK

To display the clock press "MANUAL" then "CLOCK". the time will be displayed i.e. 22.10.15. Press "MANUAL" to return to normal use.

CLOCK SET

Press "MANUAL" "CLK SET" "ENTER" then key in the time i.e. "233012" then press "ENTER". Press "MANUAL" to return to normal operation.

SEARCH

It is possible to search between large segments of the sets frequency range in one go. Mode and step can also be selected.

Press "LOW" "ENTER" key in low frequency i.e. "144.000" then press "ENTER". Press "HIGH" "ENTER" key in high frequency i.e. "146.000" then press "ENTER". Now select mode and step as before. Press "SEARCH" and off it goes provided the squelch is advanced to cancel background noise. If stopped on a frequency, search may be resumed by pressing "UP" or "DOWN" or can be HELD by turning the squelch control fully anti-clockwise. Search may be stopped by pressing "MANUAL".

The supplied telescopic whip aerial is only designed to get the user "GOING"! The receiver is extremely sensitive and may pick up a sniff of its own micro; this may stop the AR2001/AR2002 scanning on mid-VHF frequencies. For this reason an external car or base aerial is recommended at the earliest possible time.

Spurii and harmonics should not be found in great quantities, but due to an internal beat of the receiver some frequencies may not be received... 47, 94, 141, 159.940, 187.990MHz etc.